

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/578,904	BUSHEY ET AL.	
	Examiner X. L. Bautista	Art Unit 2179	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to communications filed on 7/26/05 & 1/17/06.
2.  The allowed claim(s) is/are 1 and 3-18.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All    b)  Some\*    c)  None    of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

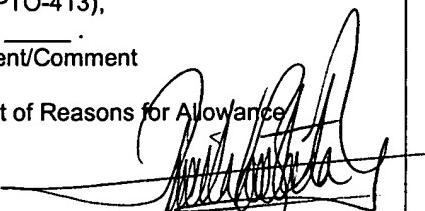
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.



LUCILA X. BAUTISTA  
PRIMARY EXAMINER

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Alan Lenkin on February 23, 2006.

The application has been amended as follows:

#### In the Claims:

1) Claim 1, line 13, amend as follows:

interface system deployment; wherein

the categorizing, the describing, and the modeling being based upon  
Categorize-Describe-Model (CDM) methodology.

2) Claim 2 has been cancelled.

3) Claim 3, line 11, amend as follows:

groups according to the design requirements; wherein

the categorizing, the describing, and the modeling being based upon  
Categorize-Describe-Model (CDM) methodology.

4) Claim 11, line 17, amend as follows:

iteratively testing the design; wherein  
the categorizing, the describing, and the modeling being based upon Categorize-  
Describe-Model (CDM) methodology.

***Reasons for Allowance***

2. Claims 1 and 3-18 are allowed.
3. The following is an examiner's statement of reasons for allowance:

Independent claims 1, 3 and 11 have been carefully considered. Prior art of record fails to teach the combination of claimed elements including a method of categorizing, describing and modeling a customized user interface based on CDM (categorize-describe-model) methodology, wherein a group of customer representatives are categorized in groups based on behavioral characteristics and user preferences; the categorized behavioral characteristics and preferences are described; the described behavioral characteristics and preferences are modeled using qualitative and quantitative models; and the models are applied to interface design, interface testing, and interface deployment.

*Feng* (US 6,483,523) discloses a method for presenting a personalized interface for different types of users. Feng teaches a personal profile that corresponds to personal quality and temperament, which is used for recognizing user's operational habits, and then for selecting a suitable interface from a pre-set interface models for the current user. The appearance of the interface is adjusted according to the user's habits and preferences.

*Nahaboo* (US 5,974,253) discloses an editor tool that allows a user to create or modify an interface. Nahaboo teaches an editing mode that allows a user to

modify an application interface; and an execution mode that allows users to test the behavior of the interface.

*Szlam* (US 5,594,791) discloses an automated customer service system that is programmable and maintains and uses a customer sensitivity profile and an agent qualification profile to provide the end user with services that are appropriate to his needs or preferences.

Feng, Nahaboo and Szlam fail to teach or suggest the use of a CDM methodology for designing interfaces by categorizing and describing the user's behavior and preferences, and modeling the described user's behavior and preferences using qualitative and quantitative models which are applied to interface design, interface testing and interface deployment.

### ***Conclusion***

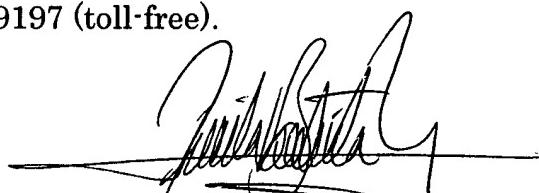
4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to X. L. Bautista whose telephone number is (571) 272-4132. The examiner can normally be reached on Monday-Thursday 8:00AM-

6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on (571) 272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

6. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



X. L. Bautista  
Primary Examiner  
Art Unit 2179

xlb  
February 28, 2006